

MOTIVA (Formerly Star Enterprise) State RCRA Site

Case History: The Motiva State RCRA Site is an old (1903) oil and gas refinery located on approximately 5,000 acres of land in the City of [Port Arthur, Jefferson County, Texas](#). Current use is primarily processing crude oil into finished products (i.e. motor oil, aviation fuel, gasoline, lubricating oil, diesel fuels, asphalt, etc.). Alligator Bayou traverses the center of the plant site. Historically wastewater from the refinery's production was discharged into this waterway. Recent investigations show that groundwater beneath the facility contains light non-aqueous phase liquids which may be discharging into the Bayou. These investigations also show significant levels of metals, volatile organic compounds and total petroleum hydrocarbons. Surface water and biological resources in and adjacent to Alligator Bayou have been affected and are potentially still being affected by these contaminants. Primary resources at risk are surface waters, sediments, wetlands, birds, terrestrial wildlife, aquatic invertebrates and fish. A substantial bird rookery is located at the southeast corner of the site.



Responsible Parties: [Motiva Enterprises LLC](#) is a general partnership among Shell, Texaco Refining and Marketing (East) Inc., and Saudi Aramco.

Trustees:

[Texas Parks and Wildlife Department](#) (TPWD)

[Texas Commission on Environmental Quality](#) (TCEQ)

[Texas General Land Office](#) (TXGLO)

[DOI-FWS](#) (Authorized Official)

Current Status: Evidence suggests that releases of hazardous substances from the facility into Alligator Bayou have and are continuing to occur. It is the Trustees current position that response actions will not compensate for interim lost use and injuries will continue to occur until hazardous substances releases are abated. The effects of remedial actions may also create additional natural resource injury that requires compensation. The Trustees have developed a [Habitat Equivalency Analysis](#) based on

a reasonable worst case scenario and will present the responsible party with a demand letter in the first quarter of 2007.

Points of Contact:

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